Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/24/2020 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124036	-1	2.87	124120	2.87
Blue	F	SSC	125000	122030	-3	1.75	122779	1.73
Blue	E	FITC	15892	15382	-4	2.79	336	20.63
Blue	D	PE	29999	29622	-2	1.97	647	15.06
Blue	B	PerCP-Cy5-5	43732	43690	-1	3.66	1180	20.55
Blue	A	PE-Cy7	30845	30724	-1	6.23	580	42.20
Red	C	APC	46112	44922	-3	2.48	1594	11.79
Red	A	APC-Cy7	30458	29613	-3	2.45	780	12.03
Violet	B	V450	7918	7507	-6	5.01	421	13.45
Violet	A	V500	32171	30969	-4	4.81	721	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17107	16.34	624	3	N/A	N/A	Pass
Blue	F	SSC	55590	1.28	565	6	N/A	N/A	Pass
Blue	E	FITC	61	67.07	544	1	0.0192	174	Pass
Blue	D	PE	135	51.01	551	3	0.1569	282	Pass
Blue	B	PerCP-Cy5-5	216	51.09	658	2	0.0089	76	Pass
Blue	A	PE-Cy7	108	102.18	700	2	0.0102	9	Pass
Red	C	APC	379	24.79	583	-1	0.0263	179	Pass
Red	A	APC-Cy7	172	28.83	556	0	0.0055	918	Pass
Violet	B	V450	65	59.30	464	6	0.0508	2020	Pass
Violet	A	V500	108	34.51	480	6	0.0224	811	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.77	0.93
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.46
Red	16.64	13.60 - 20.40	N/A	N/A	29.28	29.81	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9512

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments